

	National Aeronautical Laboratory	Documentation Sheet	Document Classification Restricted
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Title : MISSILE AERODYNAMICS DESIGN MANUAL	Document No. PP AE 8705 Date of issue: November 1987
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Author(s) : ANON	Contents 10 pages
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Division : Aerodynamics	No. of copies: 30
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External participation :	NAL Project No. NT-9-873
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Sponsor : Proposal for funding from DRDL	Sponsor's Project No.
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Approval : Head, Aerodynamics Division

Remarks :	 R75310
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Keywords : Missiles, Slender bodies, Cruciform bodies.

Abstract : <p>This proposal describes the first phase of the work contemplated for the Missile Design Manual. The project envisages to undertake the development of a Computer Code for the estimation of Six-component forces and moments for nonzero roll orientations of wing-body-tail Cruciform Configuration. It includes experimental study of the effects of nose-bluntness, midbody/aftbody flare and boattail, and also of the control-surface gap on the aerodynamic characteristics of axisymmetric bodies, and incorporation of these effects in the main code.</p>
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